89. (New) The communications system as in Claim 79, wherein the wireless communications devices transmit data to the RF transceiver units according to a communications protocol that provides a combination of space, time, and frequency diversity.

90. (New) The communications system as in Claim 79, wherein at least one of the wireless communications devices attempts to maintain wireless connections with at least two of the RF transceiver units at a time to provide redundant transmission paths for conveying data to the computer network.

IN THE ABSTRACT:

Please replace the abstract (page 41, lines 5-26) with the following:

--A communications system comprises RF transceiver units, referred to as VCELLs, that provide wireless access points to a wired LAN. The transceiver units are mounted in spatial distribution within a building to provide overlapping zones or cells of coverage, with neighboring transceiver units operating on different wireless channels to avoid interference. Wireless communications devices, such as remote telemeter devices, select and establish wireless connections with individual transceiver units to maintain connectivity to the wired LAN. The wireless devices and transceiver units preferably communicate according to a wireless TDMA protocol in which the wireless devices transmit their respective data during assigned timeslots of a TDMA frame. To provide frequency reuse, transceiver units that are spaced apart by a sufficient distance to avoid interference may operate on the same wireless channel.--

REMARKS

This Preliminary Amendment is being filed concurrently with both the application and an Information Disclosure Statement.

The present divisional application is directed to the subject matter restricted out of the original application no. 08/675,594 as Group III (Claims 41-46). These claims were identified by Examiner Bahr as being drawn to a general communications system, classified in class 370,